CLAIMS

1. A method for recording wobble information of an information recording medium which comprises:

selecting a recording system; and

forming a guide groove having wobble information wherein the wobble starts its first wobble deviation towards the inner side of the medium in the case where the selected recording system is a groove-recording system, or a guide groove having wobble information wherein the wobble starts its first wobble deviation towards the outer side of the medium in the case where the selected recording system is a land-recording system.

2. The method according to claim 1, wherein the information recording medium has a plurality of recording layers, the selection of the recording system is made for each recording layer, and the guide groove having wobble information is formed for each recording layer based on the selected recording system.

3. An information recording medium of groove-recording system, wherein a wobble starts its first wobble deviation towards the inner side of the medium in a guide groove having wobble information.

4. The information recording medium according to claim 3, which is a write-once recording medium.

5. An information recording medium of land-recording system, wherein a wobble starts its first wobble deviation towards the outer side of the medium in a guide groove having wobble information.

6. The information recording medium according to claim 5, which is a write-once recording medium.

7. The information recording medium according to claim 5, wherein a recording layer is a film which comprises an organic dye and is formed by a spin-coat method.

8. An information recording medium comprising a plurality of recording layers, wherein a wobble polarity upon reproducing wobble information is the same for all the recording layers irrespective of recording system of each recording layer.

9. The information recording medium according to claim 8, which comprises two recording layers, and on and from information is recorded or reproduced with a laser light, wherein a first recording layer that is near to the laser light is of groove-recording system and a wobble starts its first wobble deviation towards the inner side of the medium in a groove having wobble information for the first recording layer, and a second recording layer that is far from the laser light is of land-recording system and a wobble starts its first wobble deviation towards the outer

side of the medium in a groove having wobble information for the second recording layer.

10. The information recording medium according to claim 8, which comprises two recording layers, and on and from which information is recorded or reproduced with a laser light, wherein the two recording layers are of groove-recording system and a wobble starts its first wobble deviation towards the inner side of the medium in a groove having wobble information for each recording layer.

11. A method for recording information on and reproducing information from an information recording medium wherein wobble information is recorded by the method according to claim 1, which comprises detecting whether recording system of the medium is groove-recording system or land-recording system by tracking previously a part of a guide groove and detecting the wobble information to be detected from the part of the guide groove, and in the case where the wobble information is not detected, reversing a tracking polarity to detect the wobble information.

12. The method according to claim 11, wherein the information recording medium has a plurality of recording layers and said previous tracking is carried our for each recording layer so as to detect whether the recording system of each recording layer is groove-recording system or land-recording system.

13. The method according to claim 11, wherein the wobble information to be detected is address information.

14. The method according to claim 11, wherein the information recording medium is a medium on and from which information is recorded and reproduced at a constant linear velocity (CLV), and the wobble information to be detected is synchronizing signal for maintaining the linear velocity constant.

15. The method according to claim 11, wherein the tracking is initiated setting the tracking polarity for groove-recording system.

16. A recording and reproduction apparatus for recording information on and reproducing information from an information recording medium wherein wobble information is recorded by the method according to claim 1, which comprises a mechanism for tracking a part of a guide groove,

the mechanism detecting whether recording system of the medium is groove-recording system or land-recording system by detecting the wobble information to be detected from the part of the guide groove, and in the case where the wobble information is not detected, reversing a tracking polarity to detect the wobble information.

17. The apparatus according to claim 16, wherein the information recording medium has a plurality of recording layers and said mechanism previously carries out tracking

for each recording layer to detect whether the recording system of each recording layer is groove-recording system or land-recording system.

18. The apparatus according to claim 16, wherein the wobble information to be detected is address information.

19. The apparatus according to claim 16, wherein the information recording medium is a medium on and from which information is recorded and reproduced at a constant linear velocity (CLV), and the wobble information to be detected is synchronizing signal for maintaining the linear velocity constant.

20. The apparatus according to claim 16, wherein the tracking is initiated setting the tracking polarity for groove-recording system.